

# NWS REQUEST FOR CHANGE FORM

1. ISCS TRACKING NUMBER ISCS-0013	1A. REV LEVEL A	2. DATE RECEIVED 05/09/2008
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## PART A - COVER SHEET

This form is in three parts. Submitters must complete unshaded blocks in Part A, and as much of Part B and C as possible. If there is no specific required change date, enter 60 days from date submitted. Address questions to ISCS Change Management at (301) 713-1743.

3. ORIGINATOR OFFICE OCWWS	4. SUBMITTING AUTHORITY Name: Robert Gillespie Routing Code: W/OPS17	5. COGNIZANT TECHNICAL INDIVIDUAL Name: Patrick Gillis Routing Code: W/OPS17 Phone: 301-713-1743 ext.104	6. ORIGINATOR TRACKING NUMBER	7. DATE SUBMITTED 08 May 2008
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8. SYSTEMS AFFECTED BY CHANGE <input type="checkbox"/> ASOS <input type="checkbox"/> AWIPS <input type="checkbox"/> CSSA <input type="checkbox"/> CRS <input type="checkbox"/> DATA PRODUCTS <input type="checkbox"/> EMWIN <input type="checkbox"/> NEXRAD <input type="checkbox"/> RRS <input checked="" type="checkbox"/> OTHER (specify) ISCS/WAFS	9. ORD IDENTIFIER
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10. TITLE OF CHANGE  
Migration of ISCS sockets to align with ISCS/WAFS and ISCS/RMTN data requirements.

11. CATEGORY OF CHANGE <input checked="" type="checkbox"/> RC <input type="checkbox"/> PECP <input type="checkbox"/> ECP	12. TYPE OF CHANGE <input type="checkbox"/> DOCUMENTATION ONLY <input type="checkbox"/> HARDWARE <input type="checkbox"/> SOFTWARE <input checked="" type="checkbox"/> DATA
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13. SITES AFFECTED  
National Weather Service (NWS) Silver Spring, Honolulu, Verizon Andover Hub, Verizon Yacolt Hub, and Verizon Fuchsstadt Hub.

14. STATEMENT OF REQUIREMENT, PROBLEM, OR DEFICIENCY OF EXISTING SYSTEM  
Need to better differentiate data broadcast environments (ICAO/WAFS versus WMO/RMTN) of the ISCS, and to allow for addition of new data types planned for the current ISCS-G2 and its replacement - the ISCS-G3.

15. KNOWN OR PROPOSED SOLUTION  
Migration of the current NWSTG socket configuration for the ISCS. After 31 July 2008 ISCS/WAFS sockets will only transport aviation weather data as required by ICAO, and ISCS/RMTN sockets will only transport hydrological/meteorological data as required by WMO. Additional sockets will be added by 31 December 2009 to meet the ICAO GRIB-2 data requirement of the ISCS-G3, and for future growth.

16. ALTERNATE SOLUTIONS  
None

17. REQUIRED CHANGE DATE 31 July 2008	18. RATIONALE FOR REQUIRED CHANGE DATE	19. PRIORITY <input checked="" type="checkbox"/> ROUTINE <input type="checkbox"/> URGENT <input type="checkbox"/> EMERGENCY
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### DRG/CCB/PMC/CMB DECISION

20. DECISION AUTHORITY AND IMPACT LEVEL	<input type="checkbox"/> PMC or NWS CMB DECISION REQUIRED	<input type="checkbox"/> CCB LEVEL ONLY	<input type="checkbox"/> FAST TRACK	<input type="checkbox"/> MAJOR CHANGE	<input type="checkbox"/> MINOR CHANGE
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21. CCB LEVEL DECISION	<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> DISAPPROVED	SIGNATURE /s/ Robert J. Gillespie
	<input type="checkbox"/> RECOMMEND APPROVAL	<input type="checkbox"/> REFERRED TO OSIP	DATE SIGNED 09 May 2008

### FOR USE ONLY WHEN PMC or NWS CMB DECISION REQUIRED

22. PMC OR NWS CMB DECISION	<input type="checkbox"/> APPROVED	<input type="checkbox"/> DISAPPROVED	SIGNATURE/DATE
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FORM**

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**PART B - FUNDING AND SUPPORT ACTIVITIES**

All RC/ECP submissions must also address the following information. Attach extra pages if necessary, referencing each applicable subject.

FUNDING INFORMATION		SOURCE OF FUNDING	COST DATA
3A. DEVELOPMENT COSTS		3B.	3C. \$
4A. OPERATIONAL TEST AND EVALUATION COSTS		4B.	4C. \$
5A. PRODUCTION COSTS		5B.	5C. \$
6A. COMMUNICATIONS SERVICE/CIRCUITS COSTS		6B.	6C. \$
7A. IMPLEMENTATION SUPPORT COSTS		7B.	7C. \$
8A. LIFE CYCLE SUPPORT COSTS		8B.	8C. \$
9A. CCB COST EVALUATION NWS COST \$                      FAA COST \$                      DOD COST \$                      OTHER AGENCY COST \$ (SPECIFY)			9B. TOTAL COST \$

**SUPPORTING INFORMATION AND SCHEDULES**

10. DEVELOPMENT STATUS/SCHEDULE	11. PROCUREMENT STATUS/ SCHEDULE
12. IMPLEMENTATION/RETROFIT STATUS/SCHEDULE	13. FACILITY INFORMATION
14. COMMUNICATIONS RESOURCES TO BE INSTALLED	15. COMMUNICATIONS RESOURCES TO BE REMOVED
16. REQUIRED CLEARANCES, WAIVERS, AND LICENSES	17. COORDINATION OF CHANGE WITH OTHER CHANGES
18. PHYSICAL ITEMS AND DOCUMENTS AFFECTED	19. STAFF RESOURCE IMPACTS
20. LOGISTICS IMPACTS	21. OPERATIONAL IMPACTS

**22. ADDITIONAL MAJOR CHANGE ACTIVITIES**

Installation of new MPLS access circuits (23HCGS071717 and 23HCGS071722) in the NWSRG and connection to ISCS routers located in data cabinet. Existing ISCS T-1 circuits (36HCGS817453 and 36HCGS976665) will be left in standby mode until disconnection in early August 2007. Connection of ISCS Pacific Ocean Region (POR) monitoring workstation to ISCS Hawaii Back-haul circuit will be moved to new connection on Verizon router located in NWSRG.



## PART C - CHANGE AND IMPLEMENTATION ACTIVITIES

Submitters should propose implementation actions; WSH will assist with and supplement actions or required statements when necessary.

### 3. IMPLEMENTATION DOCUMENTS REQUIRED

Engineering Modification Note     
  Software Release Notes     
  Other Document (Specify) \_\_\_\_\_

### ADDITIONAL IMPLEMENTATION INSTRUCTIONS

#### 4. IMPLEMENTATION ACTIVITY REQUIRED

#### 5. RESPONSIBLE PERSON AND OFFICE

#### 6. REQUIRED COMPLETION DATE

#### 7. DOCUMENT OR ACTION REQUIRED TO VERIFY COMPLETION

1) Realignment of existing ISCS sockets per Part A page 2.	Richard Robinson – NWS Data Management	31 July 2008	Notification to ISCS Program Manager (Bob Gillespie) and ISCS Lead (Pat Gillis)
2) Provide new WAFS Test socket per Part A page 2.	Allan Darling – W/CIO/TOC/TSB	31 July 2008	Notification to ISCS Program Manager (Bob Gillespie) and ISCS Lead (Pat Gillis)
3) Provide new WAFS GRIB-2 socket per Pat A page 2.	Allan Darling – W/CIO/TOC/TSB	31 July 2008	Notification to ISCS Program Manager (Bob Gillespie) and ISCS Lead (Pat Gillis)
4) Provide new RMTN Test socket per Part A page 2.	Allan Darling – W/CIO/TOC/TSB	31 July 2008	Notification to ISCS Program Manager (Bob Gillespie) and ISCS Lead (Pat Gillis)

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